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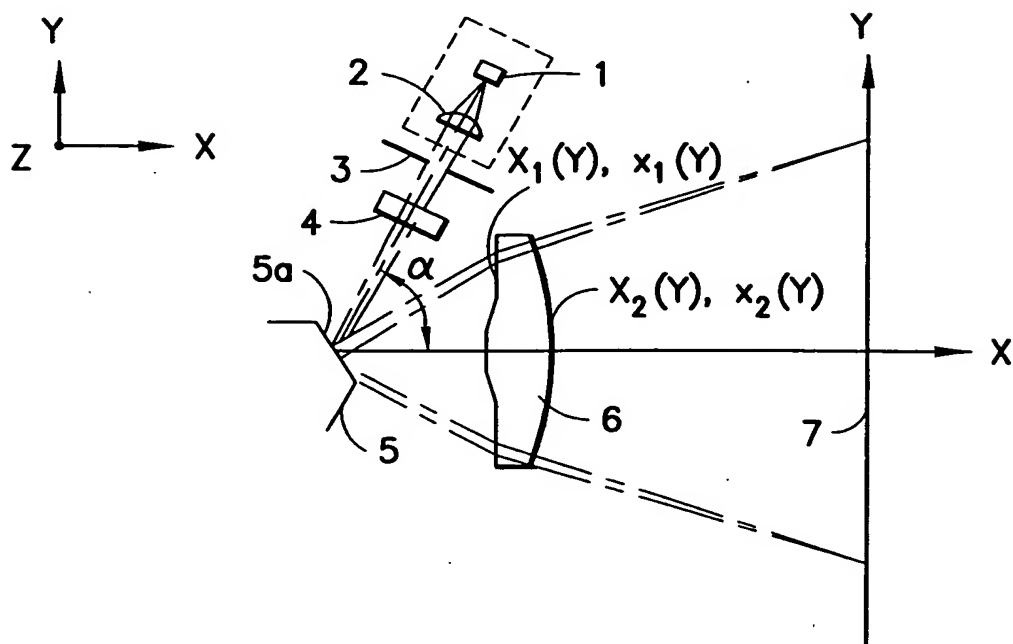


FIG. 1

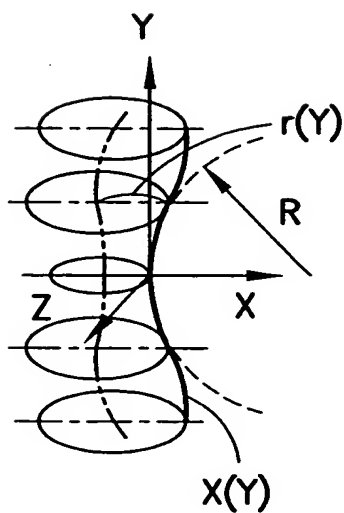


FIG. 2a

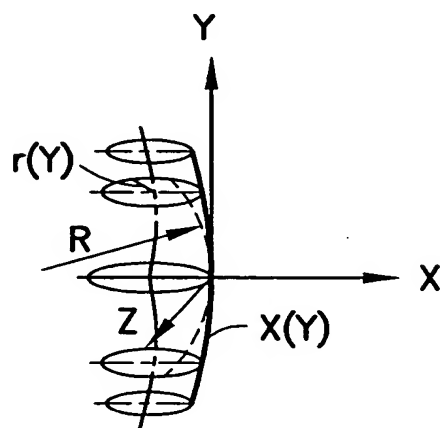


FIG. 2b

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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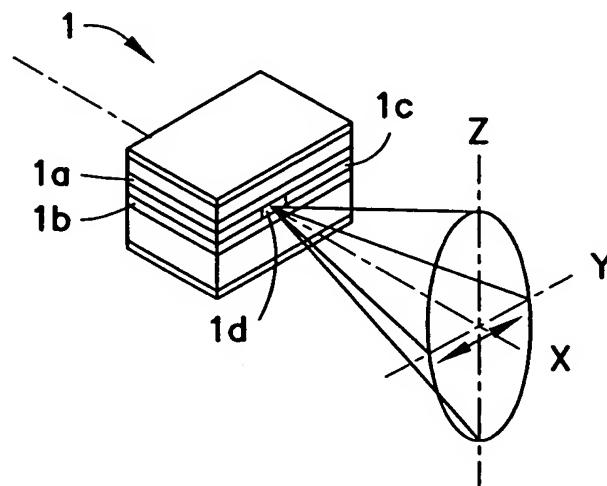


FIG. 3a
PRIOR ART

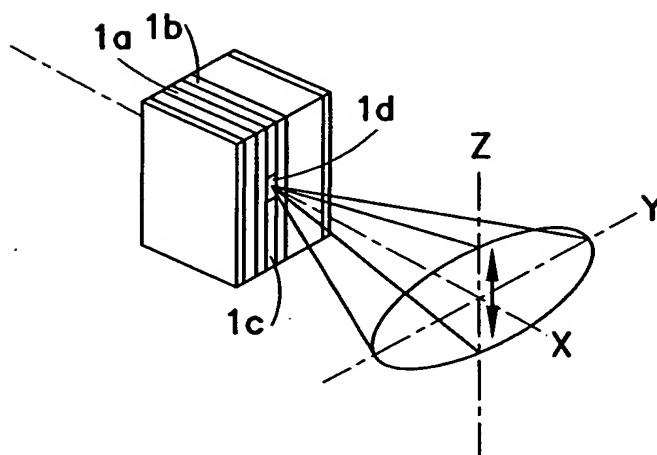


FIG. 3b
PRIOR ART

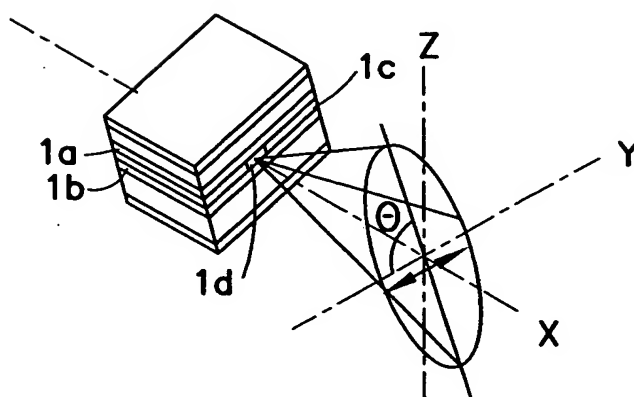


FIG. 3c
PRIOR ART

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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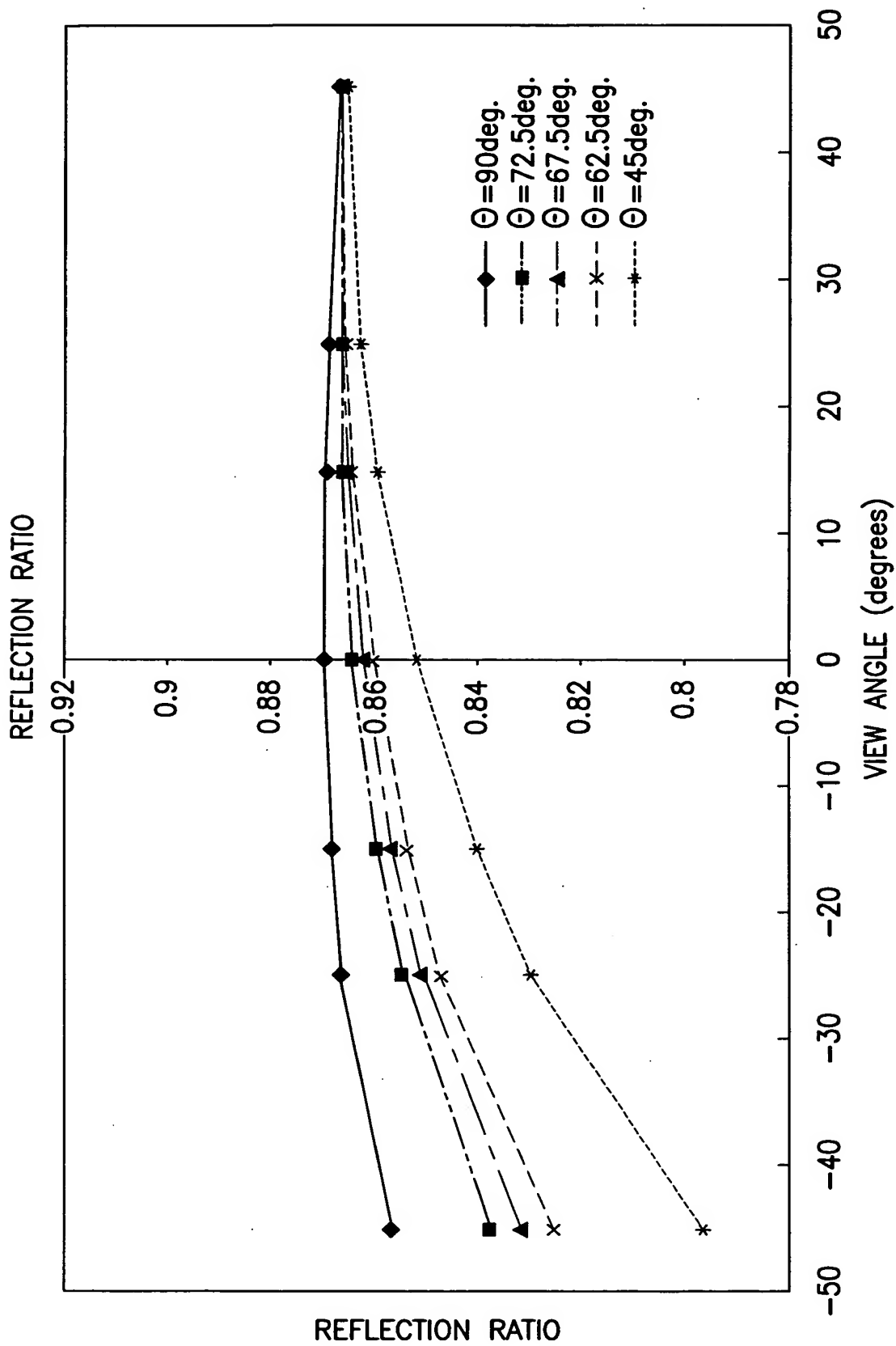


FIG. 4a

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
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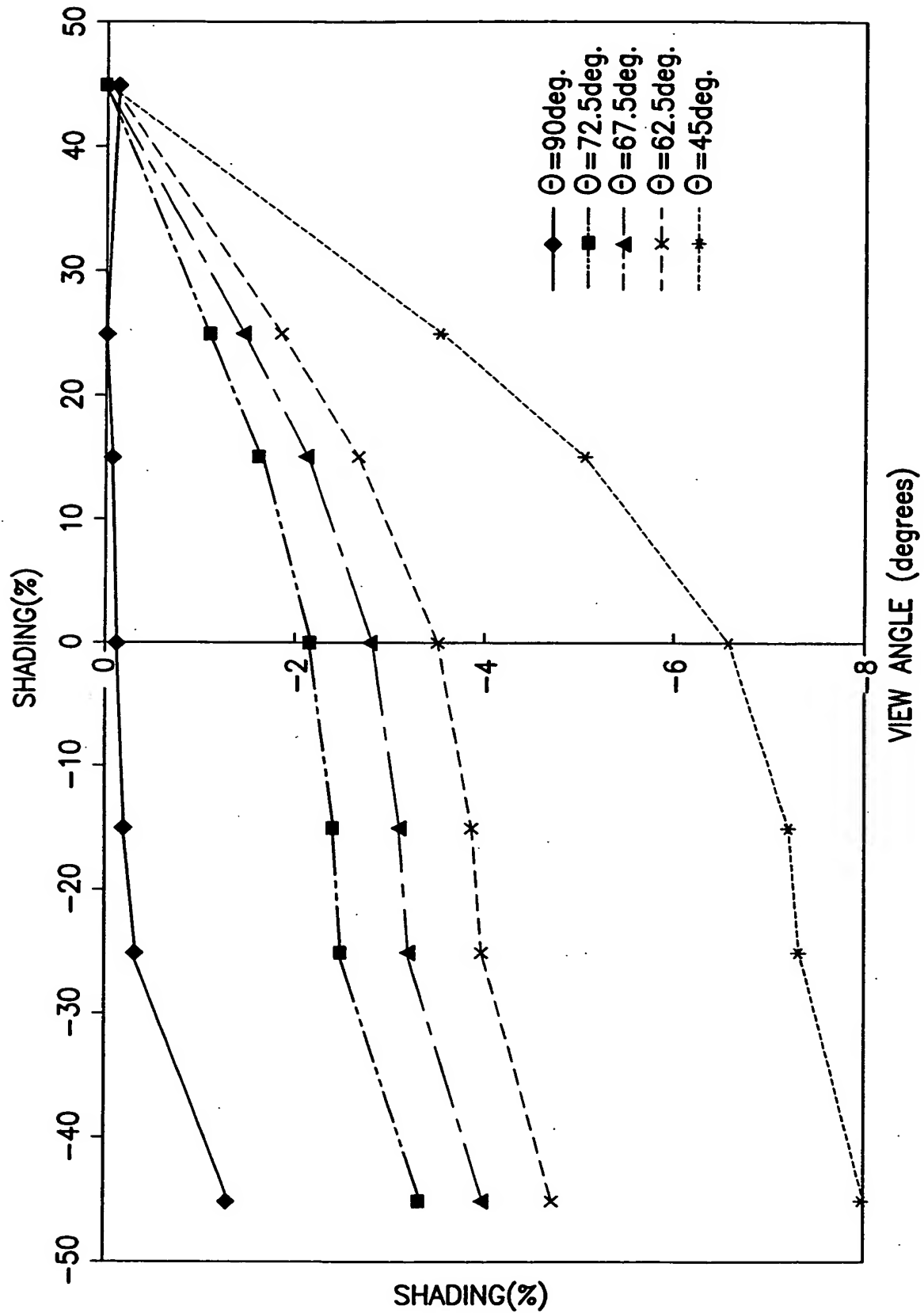


FIG. 4b

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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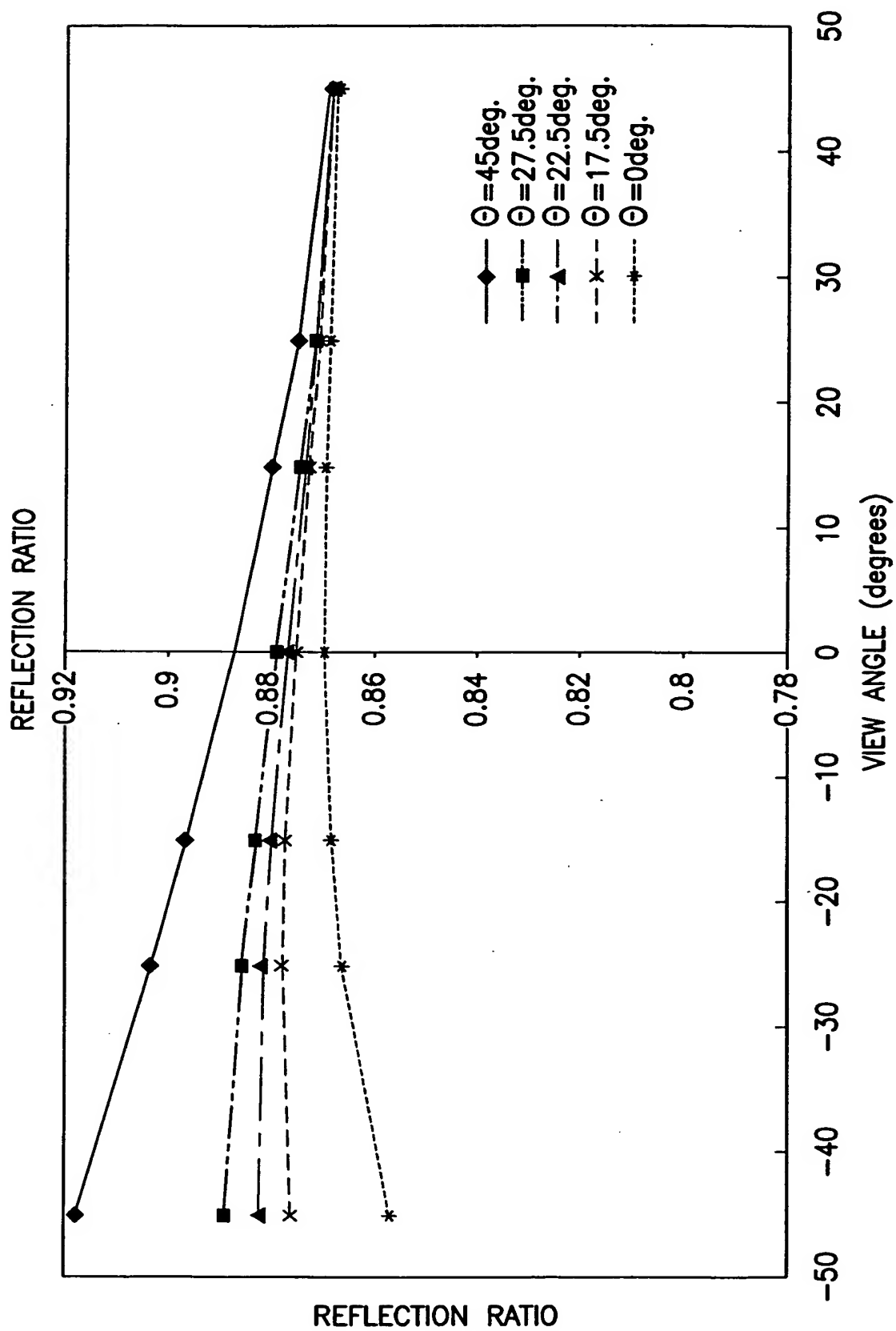


FIG.5a

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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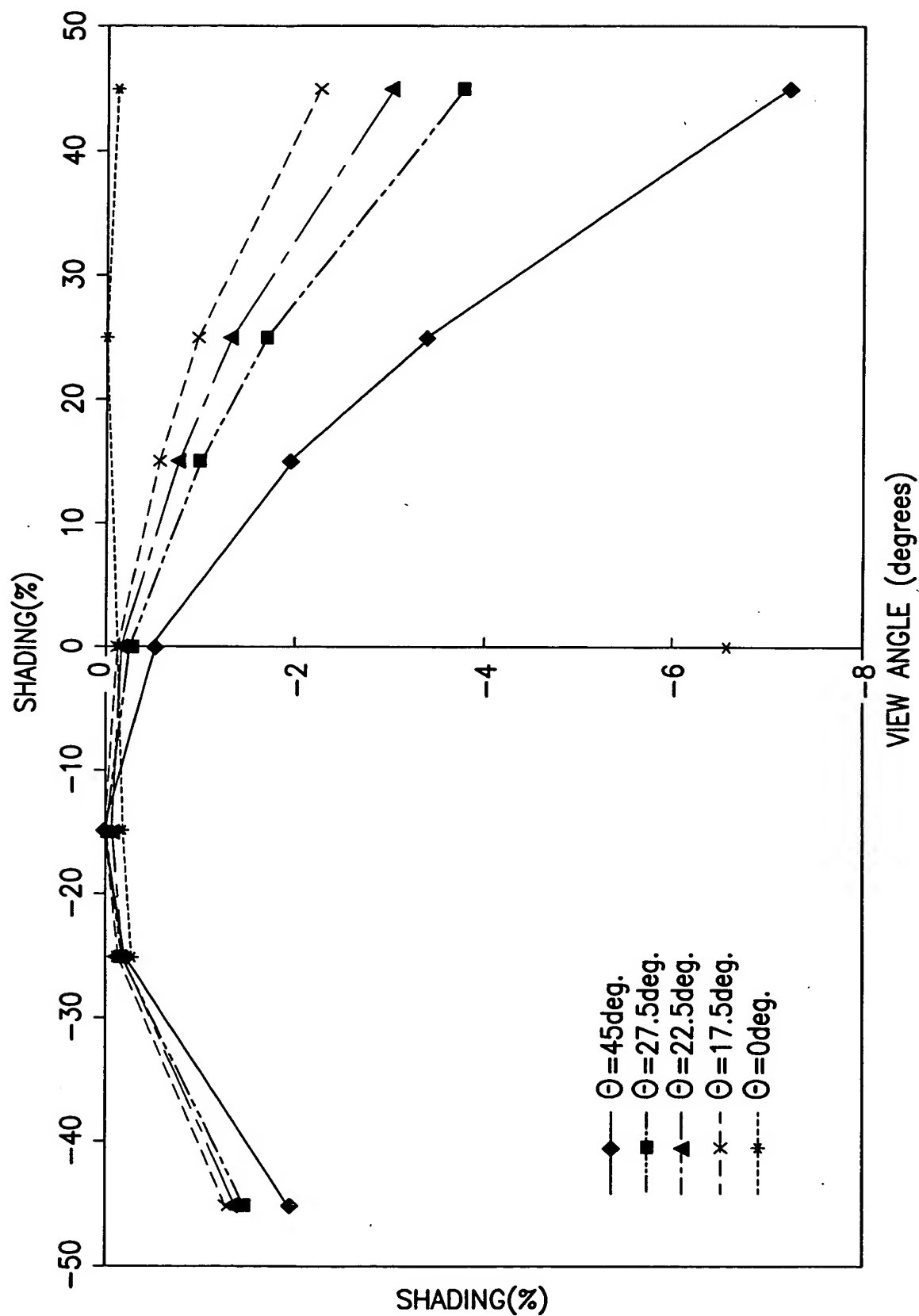


FIG. 5b

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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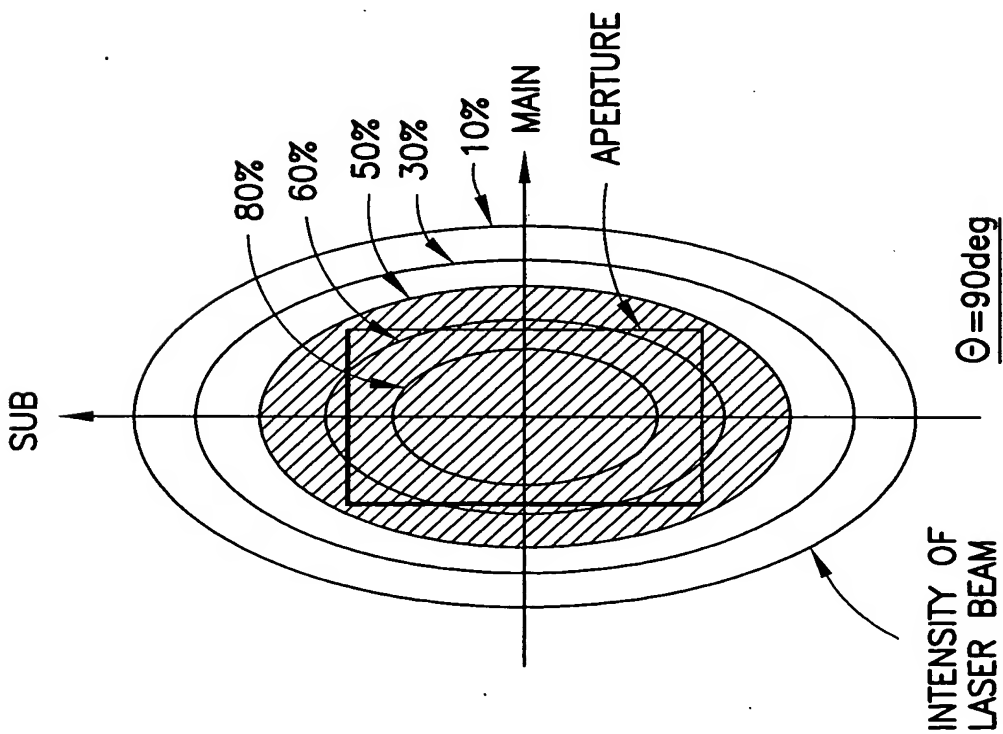


FIG. 6a

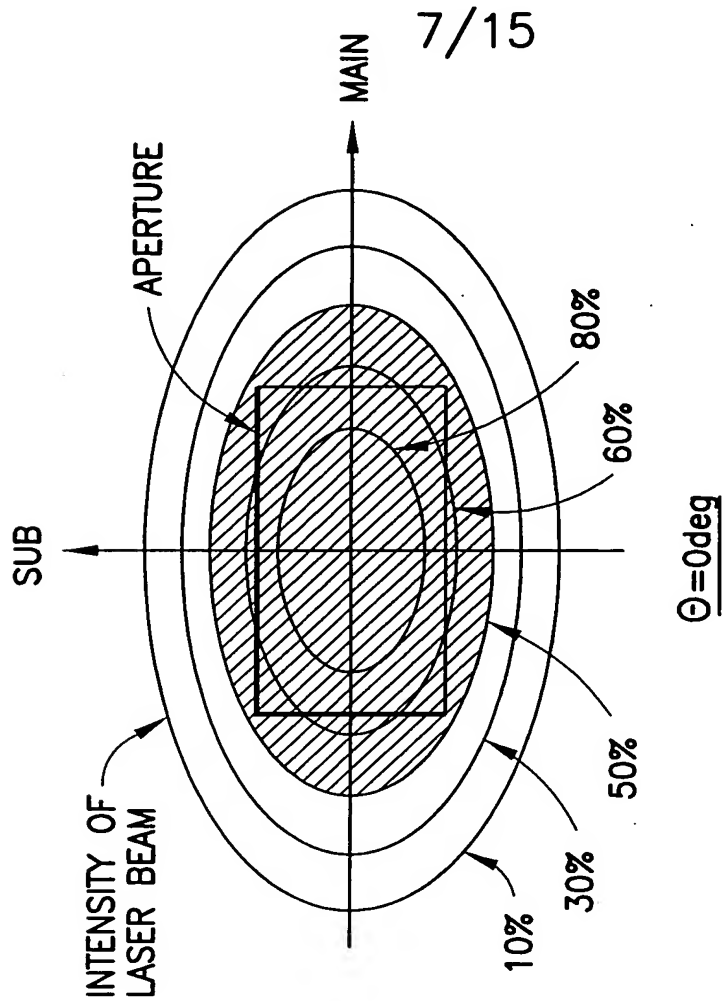


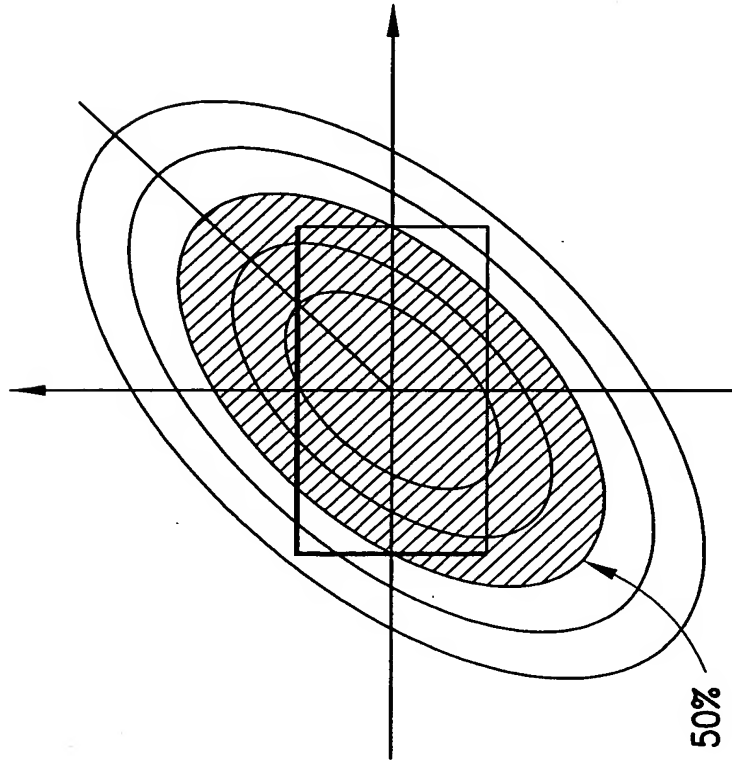
FIG. 6b

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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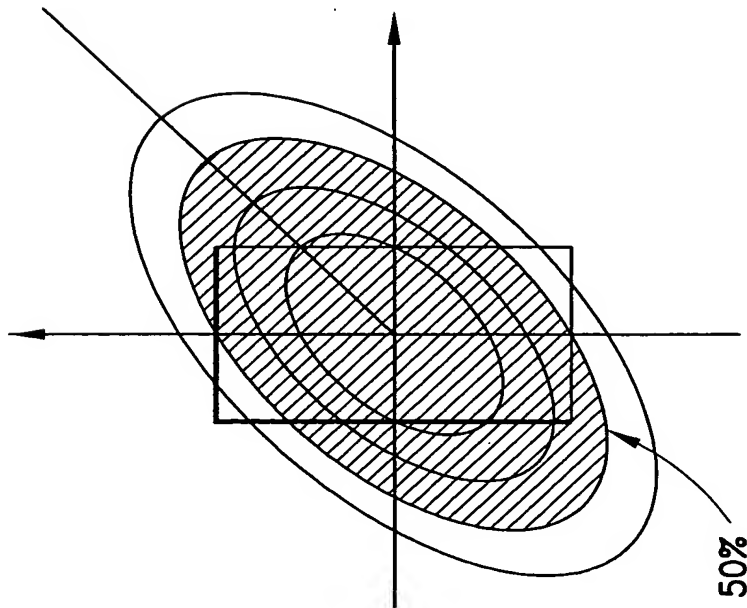
Attorney Docket No.: 43780.011901

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$\Theta = 45\text{deg}$

FIG. 6c



$\Theta = 45\text{deg}$

FIG. 6d

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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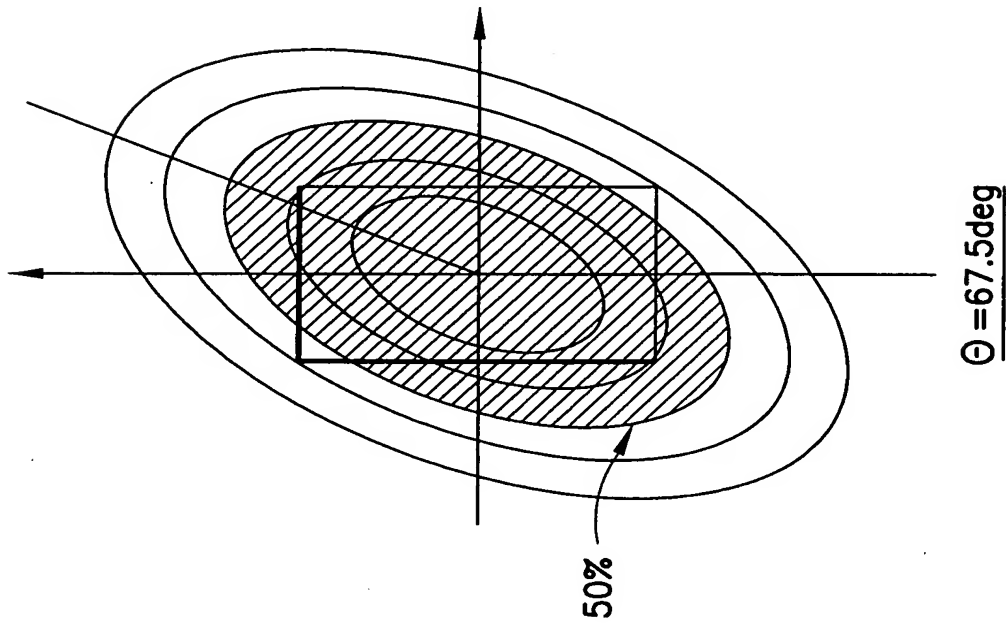


FIG. 7b

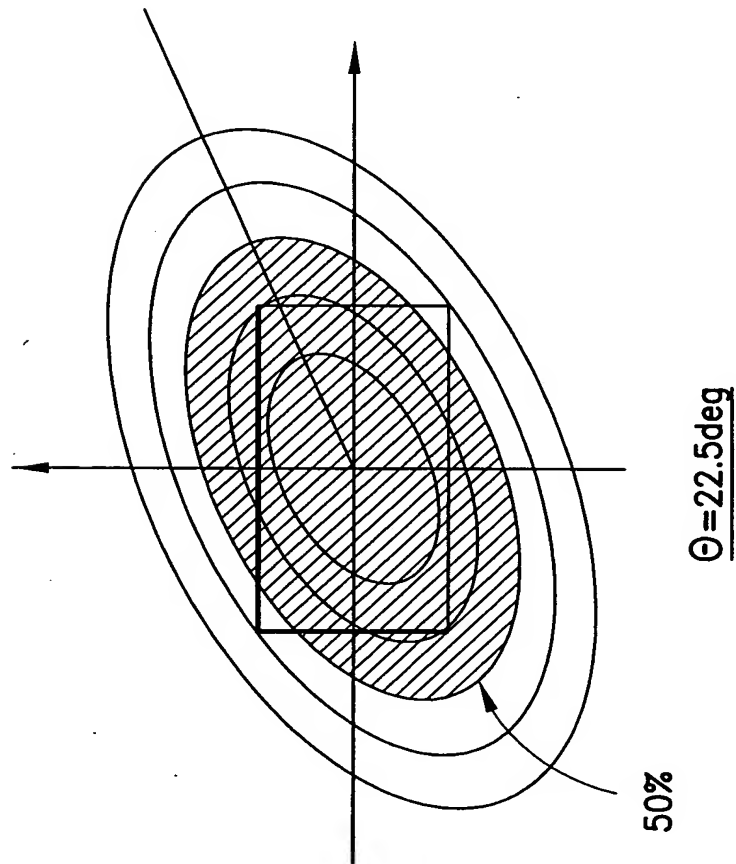


FIG. 7a

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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Attorney Docket No.: 43780.011901

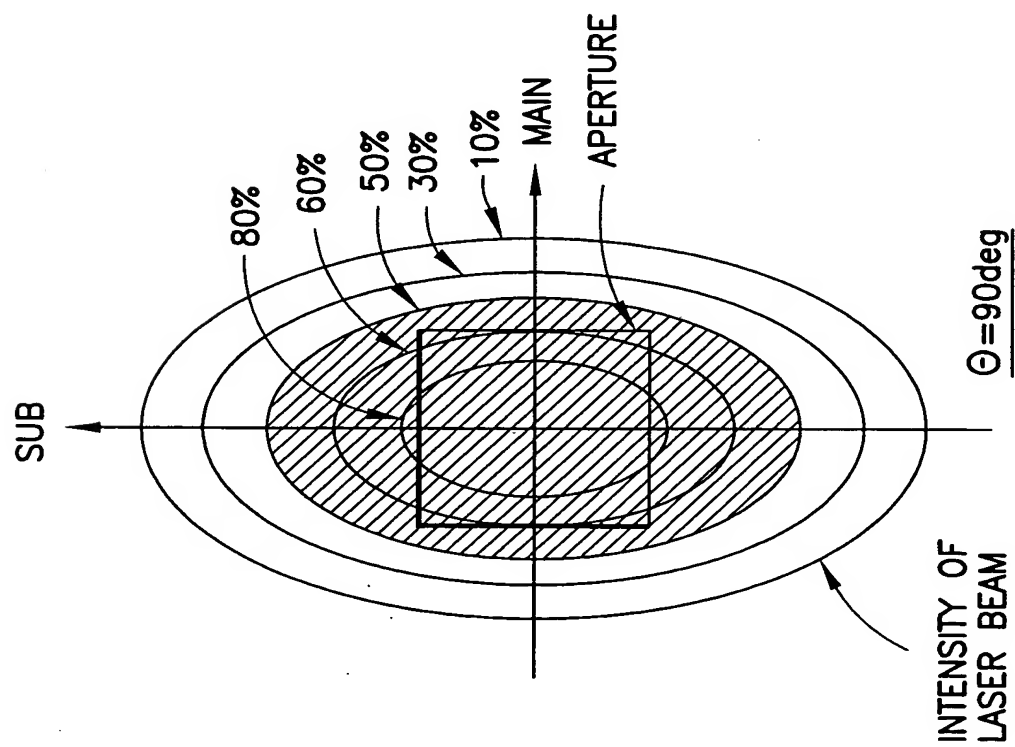


FIG. 8a

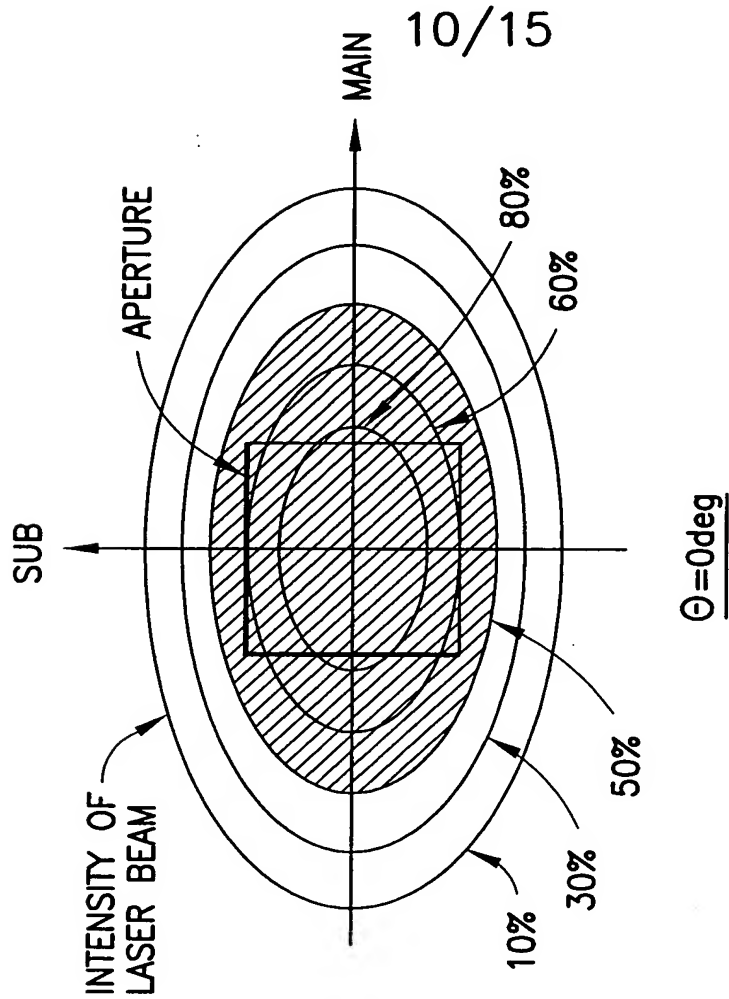


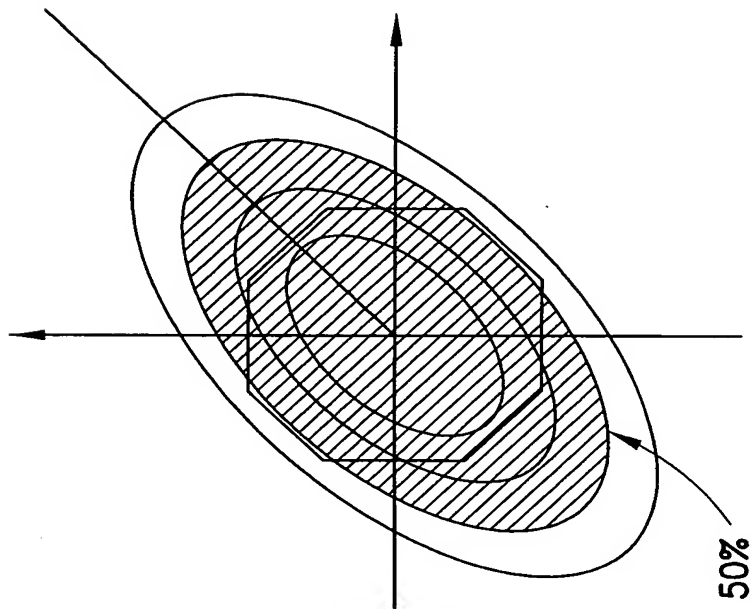
FIG. 8b

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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$\Theta = 45\text{deg}$

FIG. 9

OPTICAL SCANNING APPARATUS CAPABLE OF REDUCING VARIATIONS IN
SHADING AND IMPROVING LIGHT USAGE

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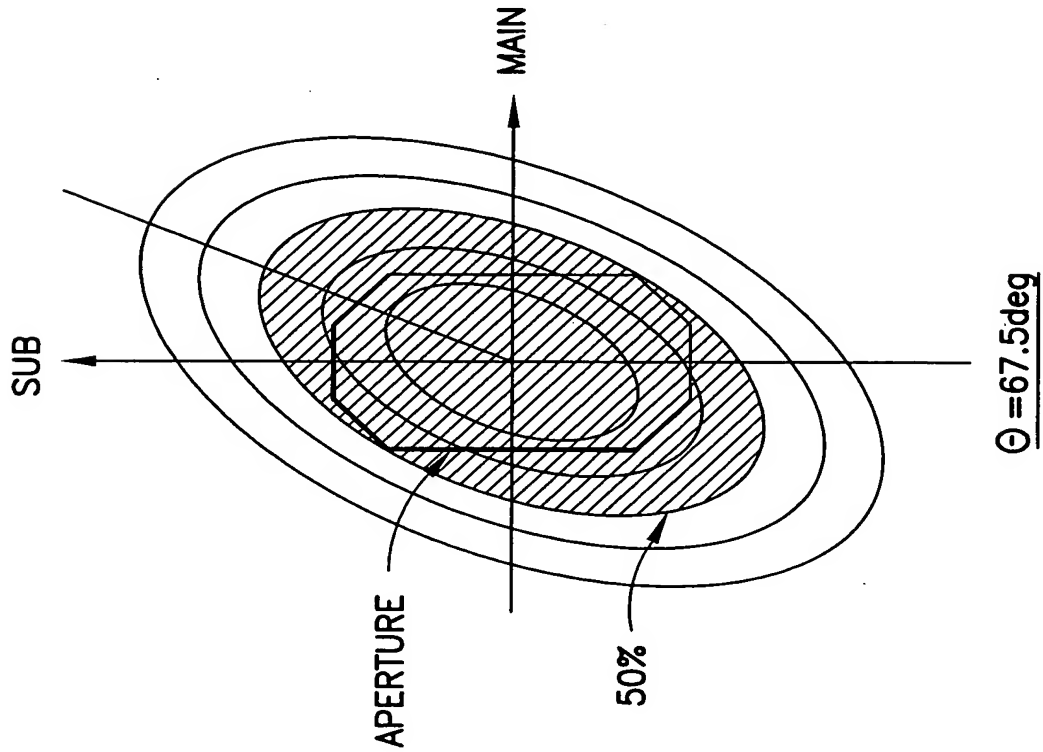


FIG. 10b

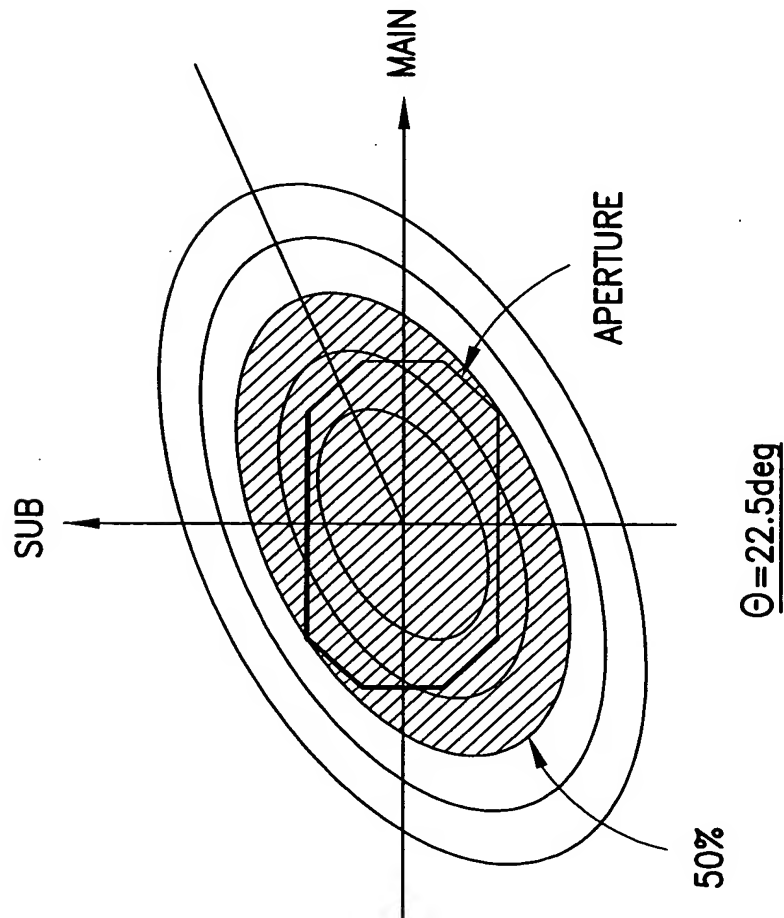


FIG. 10a

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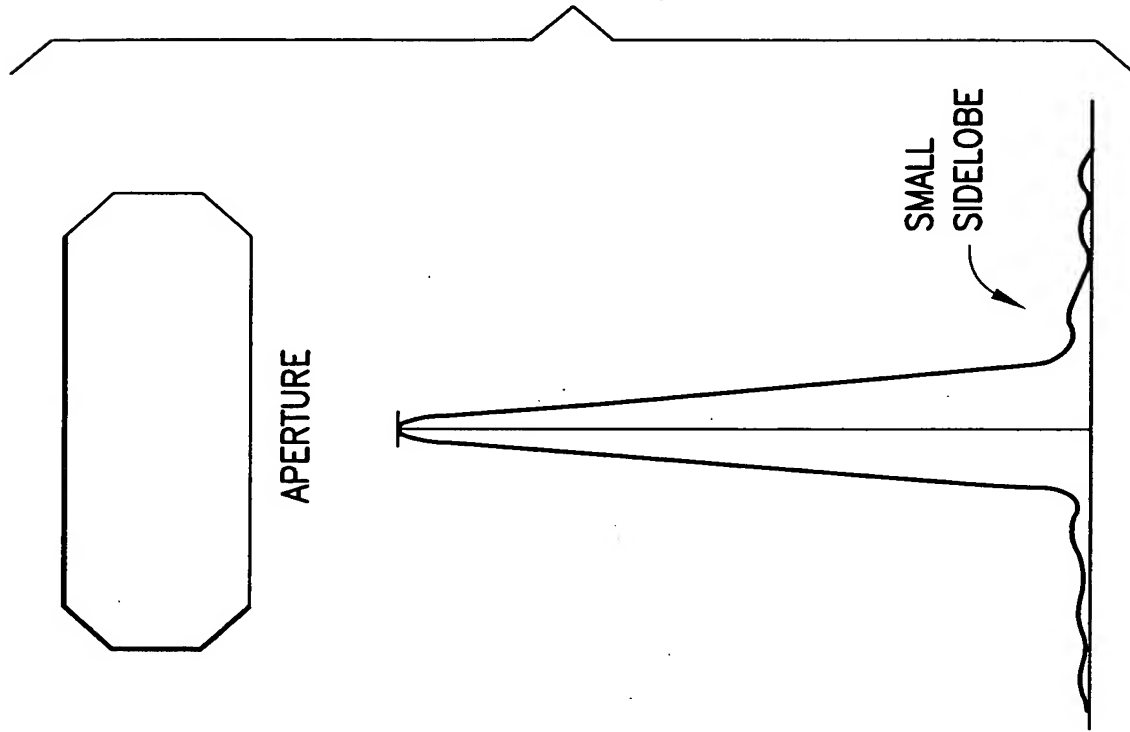


FIG. 11a

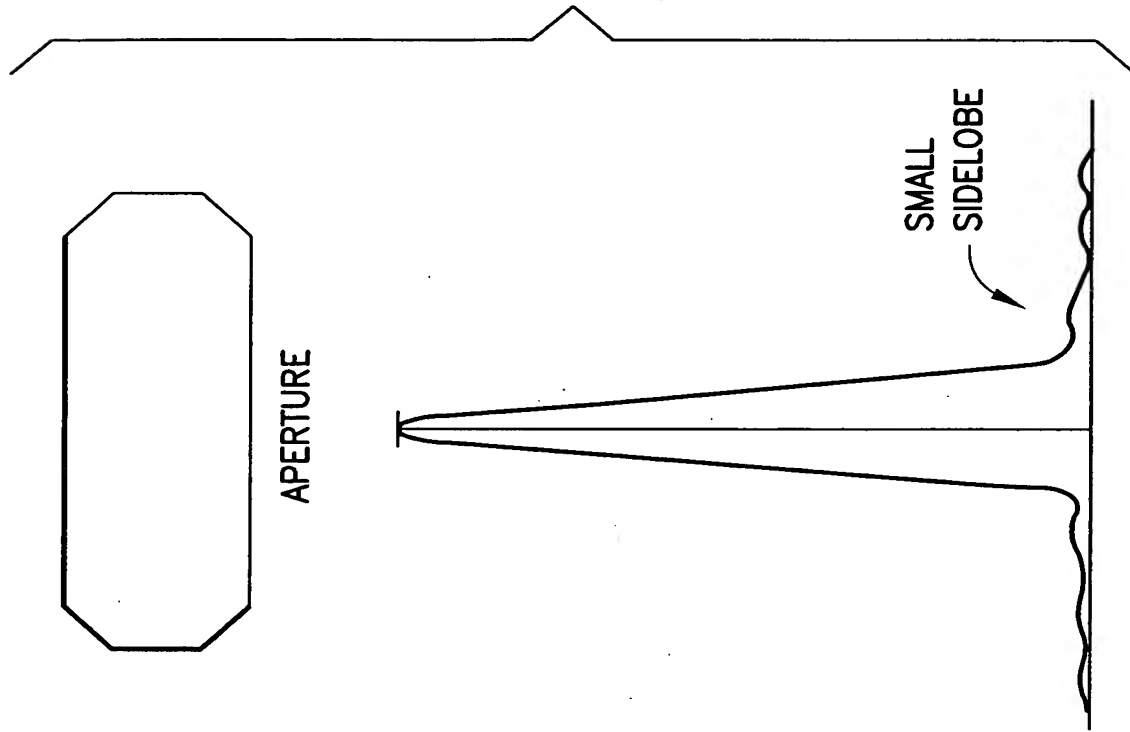


FIG. 11b

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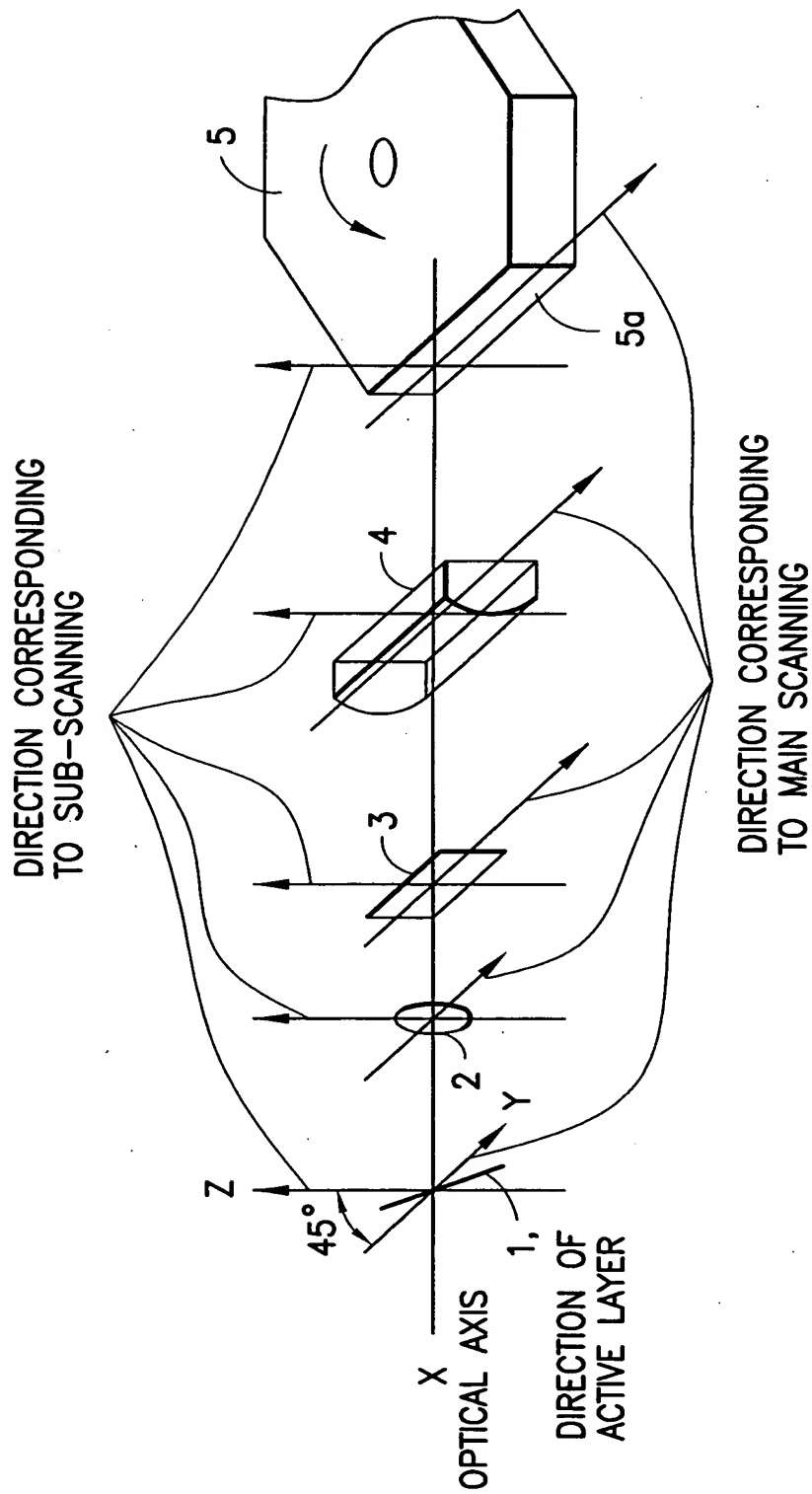


FIG.12

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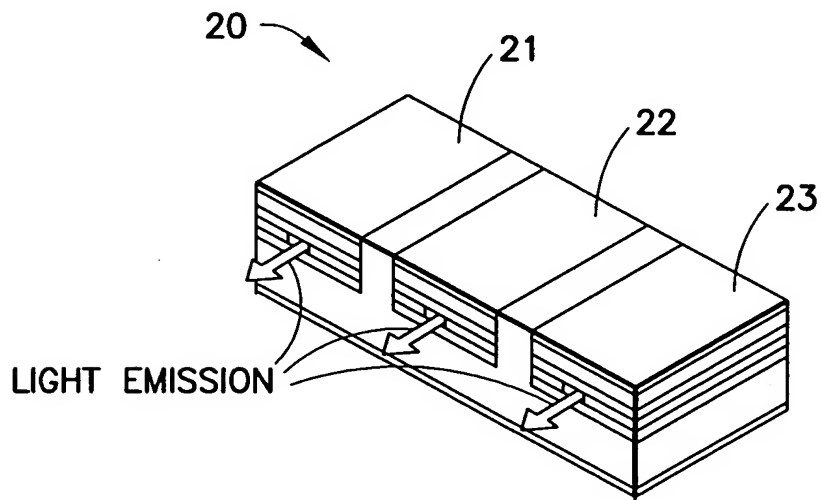


FIG. 13

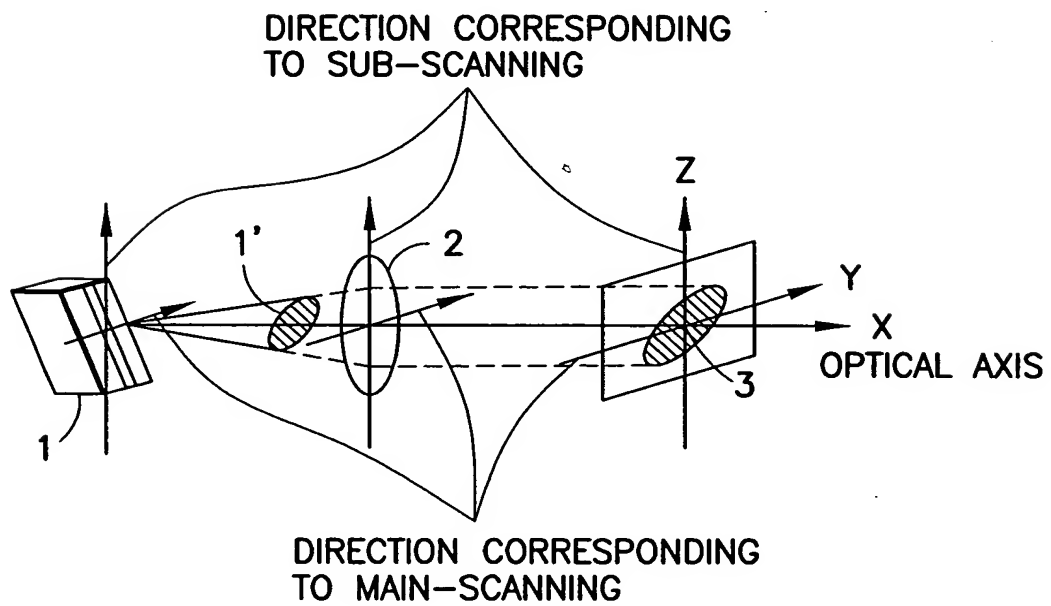


FIG. 14